



#6/A
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PATENT
PDNO 10960578-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Confirmation No. 3513
David S. Taubman : :

Serial No. 09/177,729 : Examiner Tia M. Harris
Filed: October 23, 1998 : Art Unit 2615

For: IMAGE DEMOSAICING AND ENHANCEMENT SYSTEM

Assistant Commissioner for Patents
Washington, D.C. 20231

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AMENDMENT

Technology Center 2600

Please amend the above-captioned application as follows.

IN THE SPECIFICATION:

- \ Delete the section entitled "Summary of the Invention" (page 4, line 7 to page 5, line 3).
- \ Replace the paragraph starting on page 6, line 1 with the following.

On These conditions are satisfied by any image sensor having a sensor pattern that is constructed by repeating a kernel of sensing elements. For example, one common image sensor array is based on the Bayer pattern, which is generated by repeating a 2x2 sensor array kernel having two green sensors, one red sensor, and one blue sensor. This pattern is shown in Figure 1 at 10. The kernel is shown at 12. Such an image sensor may be viewed as having four planes shown at 14-17: two green planes 14 and 17, one red plane 16, and one blue plane 15. The sampling interval is the area originally occupied by the kernel. Each of the planes is offset with respect to the other planes. It can be shown that any regular sampling lattice can be decomposed into a set of image planes satisfying the above conditions.